

Title (en)  
DECORATIVE SHEET, AND DECORATIVE RESIN-MOLDED ARTICLE EMPLOYING SAME

Title (de)  
SCHMUCKFOLIE UND AUS KUNSTHARZ GEFORMTER SCHMUCKARTIKEL DAMIT

Title (fr)  
FEUILLE DÉCORATIVE ET ARTICLE DÉCORATIF MOULÉ EN RÉSINE L'EMPLOYANT

Publication  
**EP 2669085 A1 20131204 (EN)**

Application  
**EP 11857359 A 20110128**

Priority  
JP 2011051796 W 20110128

Abstract (en)  
The invention provides a decorative sheet including at least a surface protective layer on a substrate, in which the surface protective layer includes a cured material of an ionizing radiation curable resin composition at least containing a polycarbonate(meth)acrylate (A) and a multi-functional (meth)acrylate (B) in a mass ratio (A)/(B) of (98/2)-(70/30). The invention also provides a decorative sheet including at least a surface protective layer on a substrate, in which the surface protective layer includes a cured material of an ionizing radiation curable resin composition at least containing an acrylic silicone (meth)acrylate (C) and a multi-functional (meth)acrylate (B) in a mass ratio (C)/(B) of (50/50)-(95/5). The present invention provides a decorative sheet with a surface protective layer having scratch resistance as well as three-dimensional formability.

IPC 8 full level  
**B05D 7/24** (2006.01); **B29C 45/14** (2006.01); **B32B 27/30** (2006.01); **B32B 27/36** (2006.01); **C08J 7/18** (2006.01); **C09D 143/04** (2006.01);  
**C09D 169/00** (2006.01); **B29K 33/04** (2006.01)

CPC (source: EP KR US)  
**B05D 3/068** (2013.01 - KR); **B05D 5/06** (2013.01 - KR); **B05D 7/04** (2013.01 - EP US); **B05D 7/24** (2013.01 - US); **B05D 7/52** (2013.01 - KR);  
**B29C 45/14** (2013.01 - US); **B29C 45/14811** (2013.01 - KR); **B32B 27/08** (2013.01 - EP KR US); **B32B 27/283** (2013.01 - EP KR US);  
**B32B 27/30** (2013.01 - US); **B32B 27/308** (2013.01 - EP KR US); **B32B 27/36** (2013.01 - US); **B32B 27/365** (2013.01 - EP KR US);  
**C08J 5/18** (2013.01 - US); **C08J 7/18** (2013.01 - EP KR US); **C09D 143/04** (2013.01 - EP KR US); **C09D 169/00** (2013.01 - US);  
**B05D 3/068** (2013.01 - EP US); **B05D 5/06** (2013.01 - EP US); **B05D 7/52** (2013.01 - EP US); **B29C 45/14811** (2013.01 - EP US);  
**B29C 2045/14729** (2013.01 - EP US); **B29L 2031/3005** (2013.01 - EP US); **B32B 2250/24** (2013.01 - EP US); **B32B 2255/10** (2013.01 - EP US);  
**B32B 2255/26** (2013.01 - EP US); **B32B 2307/584** (2013.01 - EP US); **B32B 2307/714** (2013.01 - EP US); **B32B 2419/00** (2013.01 - KR);  
**B32B 2451/00** (2013.01 - EP US); **C08G 64/00** (2013.01 - US); **C08J 2343/04** (2013.01 - US); **C08J 2369/00** (2013.01 - US);  
**Y10T 428/24802** (2015.01 - EP US)

Cited by  
EP3124238A4

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**EP 2669085 A1 20131204; EP 2669085 A4 20140917; EP 2669085 B1 20190821;** CN 103370195 A 20131023; CN 103370195 B 20160120;  
KR 101803128 B1 20171129; KR 101812938 B1 20171227; KR 20140001983 A 20140107; KR 20170126011 A 20171115;  
US 2013309460 A1 20131121; US 2015307675 A1 20151029; US 9108392 B2 20150818; US 9605120 B2 20170328;  
WO 2012101820 A1 20120802

DOCDB simple family (application)  
**EP 11857359 A 20110128;** CN 201180065846 A 20110128; JP 2011051796 W 20110128; KR 20137018715 A 20110128;  
KR 20177031952 A 20110128; US 201113979967 A 20110128; US 201514795437 A 20150709